

National Turfgrass Evaluation Program Tests

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Introduction

National Turfgrass Evaluation Program (NTEP) is a program recognized world-wide that evaluates turfgrass cultivars and selections in more than forty U.S. states and seven Canadian provinces (www.ntep.org). The objective of NTEP is to provide information about turfgrass cultivars that can be utilized by the turfgrass researchers, extension specialists, breeders, sod growers, and other landscape/government personnel for their respective turfgrass uses and management. Evaluations are performed on turfgrass quality, density, drought tolerance, diseases and other abiotic and biotic stresses at different locations. This information is helpful in determining the performances of cultivars and selections in various environments.

UCR currently manages 4 NTEP tests with 5 new tests planned for fall 2014. The evaluation ratings are sent to NTEP personnel for further analysis and publications.

NTEP Tall fescue trial: 2012-2017

- Establishment: Three replications of each entry established in randomized complete block design in 25 sq. ft. treatment plots.
- Management: Mowing height: 2.0" to 3.0"
- Nitrogen rate: 0.25 – 0.5 lbs N/1000sq. ft./growing month
- Irrigation: 80-95% of potential ET; or to prevent stress dormancy

2012 NTEP Tall Fescue

12 E-1 (North↑)

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54
55	56	57	58	59	60	61	62	63
64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99
100	101	102	103	104	105	106	107	108
109	110	111	112	113	114	115	116	117

(5 ft x 5 ft plot)

No.	Name	No.	Name	No.	Name
1	Terrano	41	Burl TF-2(GTO)	81	PPG-TF-157
2	Ky-31	42	Burl TF-136(Hot Rod)	82	PPG-TF-169
3	Regenerate	43	LTP-FSD	83	PPG-TF-170
4	Fesnova	44	LTP-TWUU	84	PPG-TF-137
5	ZW 44	45	LTP-F5DPDR	85	PPG-TF-135
6	W45	46	IS-TF 289	86	PPG-TF-115
7	U43	47	MET 6 SEL	87	PPG-TF-105
8	LSD(rhambler 2 SRP)	48	IS-TF 330	88	PPG-TF-172
9	Aquaduct	49	IS-TF-287	89	PPG-TF-151
10	Catalyst	50	IS-TF 307 SEL	90	PPG-TF-152
11	Marauder	51	IS-TF 308 SEL	91	PPG-TF-148

12	Warhawk	52	IS-TF 311	92	PPG-TF-150
13	Annihilator	53	IS-TF 285	93	BIZEM
14	Comp. Res. SST	54	IS-TF 310 SEL	94	CCR2
15	204 Res. Blk4	55	IS-TF 272	95	MET-3
16	JS 819	56	ATF 1736	96	W41
17	JS 818	57	ATF 1754	97	PPG-TF-145
18	JS 809	58	Hemi	98	PPG-TF-138
19	JS 916	59	Firebird 2	99	PPG-TF-139
20	JS 825	60	Bullseye	100	PPG-TF-142
21	MET 1	61	PST-5EV2	101	RAD-TF-89
22	F711	62	PST-5GRB	102	RAD-TF-92
23	IS-TF 291	63	PST-5SALT(Saltillo)	103	GO-DFR
24	IS-TF 276 M2	64	PST-5SDT(Rain Dance)	104	K12-MCD
25	IS-TF 305 SEL	65	PST-5DZP	105	PST-5EX2
26	IS-TF 269 SEL	66	PST-5RO5	106	PST-5MVD
27	IS-TF 282 M2	67	PST-5BPO	107	RAD-TF-83
28	IS-TF 284 M2	68	PST-5BRK	108	RAD-TF-88
29	OR-21(Temptation)	69	DB1	109	BAR Fa 120878
30	TY 10 (Caesar)	70	RZ2	110	BAR Fa 121089
31	Exp TF-09(Frontline)	71	TD1	111	BAR Fa 121091
32	SRX-TPC	72	DZ1	112	BAR Fa 121095
33	PSG-WE1	73	T31	113	PST-R5NW(Inspiration)
34	Pick-W43	74	PSG-GSD	114	Burl TF-69
35	Grande 3	75	PSG-8BP2	115	Falcon IV
36	PSG-PO1	76	PSG-TT4	116	Falcon V
37	U45	77	Faith	117	Blank
38	B23	78	K12-13		
39	ATF 1612	79	K12-05		
40	ATF 1704	80	PPG-TF-156		

NTEP Zoysiagrass shade study: 2012 -2017

- Establishment: Three replications of each entry established in 2012 in randomized complete block design in 25 sq. ft. treatment plots
- Management: Mowing height: 1.5” to 2.0”
- Nitrogen rate: 0.0 – 0.25 lbs N/1000sq. ft. /growing month
- Irrigation: to prevent dormancy or severe stress
- Pre-emergence grass control and broadleaf weed control were applied to control weeds.
- 60% shade cloth was installed 15 August 2014.

NTEP Zoysiagrass
12F-1 (North↑)

(5 ft x 5 ft plot)

1	10	8	21	20	35	6	14	9
2	11	5	7	31	25	12	28	24
3	32	29	34	22	18	30	17	19
23	33	7	4	13	36	16	15	26
22	14	32	25	34	13	11	7	24
26	35	20	10	15	4	33	16	5
9	6	1	36	29	19	3	12	23
28	17	30	8	27	21	31	18	2
28	13	2	9	36	26	19	24	10
23	32	4	6	15	21	31	20	5
7	16	34	25	14	29	3	12	11
8	22	30	35	17	27	33	18	1

No.	Name	Type	No.	Name	Type
1	Meyer	Vegetative	19	FAES 1309	Vegetative
2	Zeon	Vegetative	20	FAES 1310	Vegetative
3	Empire	Vegetative	21	FAES 1312	Vegetative
4	10-TZ-35	Vegetative	22	FAES 1313	Vegetative
5	10-TZ-1254	Vegetative	23	FAES 1314	Vegetative
6	09-TZ-5320	Vegetative	24	FAES 1315	Vegetative
7	09-TZ-54-0	Vegetative	25	FAES 1316	Vegetative
8	CGZ504	Vegetative	26	FAES 1317	Vegetative
9	11-TZ-4321	Vegetative	27	FAES 1318	Vegetative
10	DALZ 1303	Vegetative	28	FAES 1319	Vegetative
11	CSZ 1105	Vegetative	29	FAES 1322	Vegetative
12	CSZ 1109	Vegetative	30	FAES 1328	Vegetative
13	FAES 1303	Vegetative	31	FAES 1329	Vegetative
14	FAES 1304	Vegetative	32	DALZ 1301	Vegetative
15	FAES 1305	Vegetative	33	DALZ1302	Vegetative
16	FAES 1306	Vegetative	34	KSUZ 1201	Vegetative
17	FAES 1307	Vegetative	35	A-1	Vegetative
18	FAES 1308	Vegetative	36	Blank	

NTEP Bermudagrass: 2012-2017

- Establishment: Three replications of each entry established in 2012 in randomized complete block design in 25 sq. ft. treatment plots
- Management: Mowing height: 0.5” to 1.0”, mowing frequency: 2-4 times/week
- Nitrogen rate: 0.5 – 1.0 lbs N/1000sq. ft./growing month
- Irrigation: to prevent stress

NTEP Bermudagrass
12E-8 (North ↑)

(5 ft x 5 ft plot)

1	10	8	21	20	35	6	14	9
2	11	5	27	31	25	12	28	24
3	32	29	34	22	18	30	17	19
23	33	7	4	13	36	16	15	26
22	14	32	25	34	13	11	7	24
26	35	20	10	15	4	33	16	5
9	6	1	36	29	19	3	12	23
28	17	30	8	27	21	31	18	2
28	13	2	9	36	26	19	24	10
23	32	4	6	15	21	31	20	5
7	16	34	25	14	29	3	12	11
8	22	30	35	17	27	33	18	1

No.	Name	Type	No.	Name	Type
1	Tifway	Vegetative	19	North Shore SLT	Seeded
2	Latitude 36	Vegetative	20	12-TSB-1	Seeded
3	Patriot	Vegetative	21	MSB 281	Vegetative
4	Celebration	Vegetative	22	11-T-251	Vegetative
5	NuMex-Sahara	Seeded	23	11-T-510	Vegetative
6	Princess 77	Seeded	24	DT-1	Vegetative
7	MBG 002	Seeded	25	FAES 1325	Vegetative
8	OKS 2009-3	Seeded	26	FAES 1326	Vegetative
9	OKS 2011-1	Seeded	27	FAES 1327	Vegetative
10	OKS 2011-4	Seeded	28	PST-R6P0	Seeded
11	JSC 2-21-1-v	Vegetative	29	PST-R6T9S	Seeded
12	JSC 2-21-18-v	Vegetative	30	PST-R6CT	Seeded
13	JSC 2007-8-2	Seeded	31	BAR C291	Seeded
14	JSC 2007-13-s	Seeded	32	OKC 1131	Vegetative
15	JSC 2009-2-s	Seeded	33	OKC 1163	Vegetative
16	JSC 2009-6-s	Seeded	34	OKC 1302	Vegetative
17	Riviera	Seeded	35	Astro	Vegetative
18	Yukon	Seeded	36	Blank	

NTEP Perennial Ryegrass: 2008-2013

- Establishment: Three replications of each entry established in 2008 in randomized complete block design in 24 sq. ft. treatment plots.
- Management: Mowing height 2.25” – 2.5”
- Nitrogen rate: 0.25 – 0.5 lbs N/1000sq. ft./growing month
- Irrigation: to prevent stress
- Pre-emergence and herbicide to control broadleaf weeds and other grasses

NTEP Perennial Ryegrass
12E-6 (North ↑)

(4 ft x 6 ft plot)

81	42	58	80	88	14	80
72	34	57	79	87	63	40
7	3	56	78	86	60	67
87	59	55	77	85	35	81

86	47	54	76	84	87	56
71	61	53	75	83	66	27
73	68	52	74	82	20	11
30	19	51	73	81	54	62
60	83	50	72	12	16	7
77	18	49	71	62	21	9
82	31	48	70	43	36	51
13	23	47	69	15	10	64
36	76	46	68	48	24	4
53	88	45	67	38	25	30
85	63	44	66	29	79	75
6	65	43	65	57	71	45
64	80	42	64	88	38	29
10	66	41	63	58	34	31
39	54	40	62	5	59	47
1	32	39	61	68	55	18
84	74	38	60	83	28	86
4	58	37	59	33	53	13

No.	Name	No.	Name
1	Rinovo	45	Vintage (ISG-36)
2	CL 11601	46	Excellence (ISG-31)
3	Pizzazz 2 GLR (PR 909)	47	A-35
4	Pangea GLR (CL 11701)	48	CS-PR66

5	Sunstreaker (APR 2036)	49	Pillar (CST)
6	Linn	50	JR-178
7	Uno	51	JR-192
8	DLF LGD-3026	52	SR 4650 (PSRX-3701)
9	DLF LGD-3022	53	Karma (PICK 10401)
10	Sideways (PSRX-S84)	54	Mach I
11	Wicked (SRX-4RHD)	55	RAD-PR62
12	Playoff 2 (P02)	56	RAD-PR55R
13	Evolution (S85)	57	Riptide (IS-PR 409)
14	LTP-RAE	58	Bandalore (IS-PR 463)
15	Allante	59	Thrive (IS-PR 469)
16	Insight	60	Hancock (IS-PR 479)
17	Sienna	61	Stamina (IS-PR 487)
18	Brightstar SLT	62	Monsieur (IS-PR 488)
19	CL 307	63	Banfield (IS-PR 489)
20	APR 2320	64	Aspire (IS-PR 491)
21	Haven (APR 2038)	65	Diligent (IS-PR 492)
22	Green Supreme (PPG-PR 121)	66	DLF LGT 4182
23	PPG-PR 128	67	Seductive (ISG-30)
24	Fastball RGL (PPG-PR 133)	68	Salinaii (PST-204D)
25	Stellar 3GL (PPG-PR 134)	69	PST-2NKM
26	LTP-PR 135	70	PST-2DR9
27	PPG-PR 136	71	Pacific GEM (PST-2MG7)
28	Premium (PPG-PR 137)	72	PST-2TQL
29	Amazing A+ (PPG-PR 138)	73	Dominator (PST-2AG4)
30	Apple SGL (PPG-PR 140)	74	MANHATTAN 6 GLR (PST-2MAGS)
31	PPG-PR 142	75	PST-2K9
32	Provost (PPG-PR 143)	76	PST-2BNS
33	Grand Slam GLD (PPG-PR 164)	77	PST-2ACR
34	PPG-PR 165	78	Rio Vista
35	BAR Lp 10969	79	Octane
36	BAR Lp 10972	80	Bonneville
37	BAR Lp 10970	81	PSRX-4CAGL
38	PST-2NJK	82	GO-DHS
39	BAR Lp 7608	83	GO-PR60
40	Pinnacle	84	Sox Fan (GM3)
41	APR 2445	85	PRX-4GM1
42	Fiesta 4	86	SR4660ST (SRX-4MSH)
43	GO-G37	87	Pick 4DFHM
44	Prominent (CS-20)	88	Palmer V

Summary:

- NTEP is essential to compare cultivars at different locations of USA and Canada

- The standards of NTEP help individuals, institutes and companies to make decisions regarding the best performing cultivars and selections for a particular region.
- UCR manages all NTEP trial as per required standards and ratings.